

# California Department of Transportation

## District 6

### Storm Water Management Program Regional Work Plan 2005/2006

For

Lahontan Region 6  
Water Quality Control Board

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CTSW-RT-05-132-16.1



April 1, 2005


CALIFORNIA DEPARTMENT OF TRANSPORTATION  
DISTRICT 6

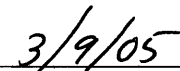
**Certification**  
**Regional Work Plan 2005/2006**

**California Regional Water**  
**Quality Control Board**  
**Lahontan Region**

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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]

  
\_\_\_\_\_  
J. MIKE LEONARDO, District Director

  
\_\_\_\_\_  
Date

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### 1.0 INTRODUCTION

The purpose of the RWP is to describe how the Department will specifically implement the Statewide Storm Water Management Program (SWMP) within the jurisdiction of each Regional Water Quality Control Board (RWQCB) during Fiscal Year 2005/2006 as required by the *Caltrans Statewide Storm Water NPDES Permit – Order No. 99-06-DWQ* (Permit). Implementation activities will be conducted in accordance with the procedures presented in the SWMP. The RWP indicates how District storm water management practices will be modified to improve water quality protection based on evaluation of the previous studies and management activities.

The RWP provides region-specific information on Department facilities, water bodies, and Best Management Practices (BMPs), and monitoring programs according to the following sections:

- Section 1 – Introduction;
- Section 2 – Department Personnel and Responsibilities;
- Section 3 – District Facilities and Water Bodies;
- Section 4 – High Risk Areas; and
- Section 5 – Implementation Activities.

**2.0 DEPARTMENT PERSONNEL AND RESPONSIBILITIES**

A relatively small portion of the Department's District 6 falls within the jurisdiction of the Lahontan Region RWQCB. A District 6 and Lahontan Region Storm Water Organizational Chart is included as Figure 2-1 on page 2-2. Staff responsible for implementing the SWMP within the Lahontan RWQCB's jurisdiction is listed in Table 2-1.

**TABLE 2-1: DEPARTMENT STORM WATER PERSONNEL AND RESPONSIBILITIES**

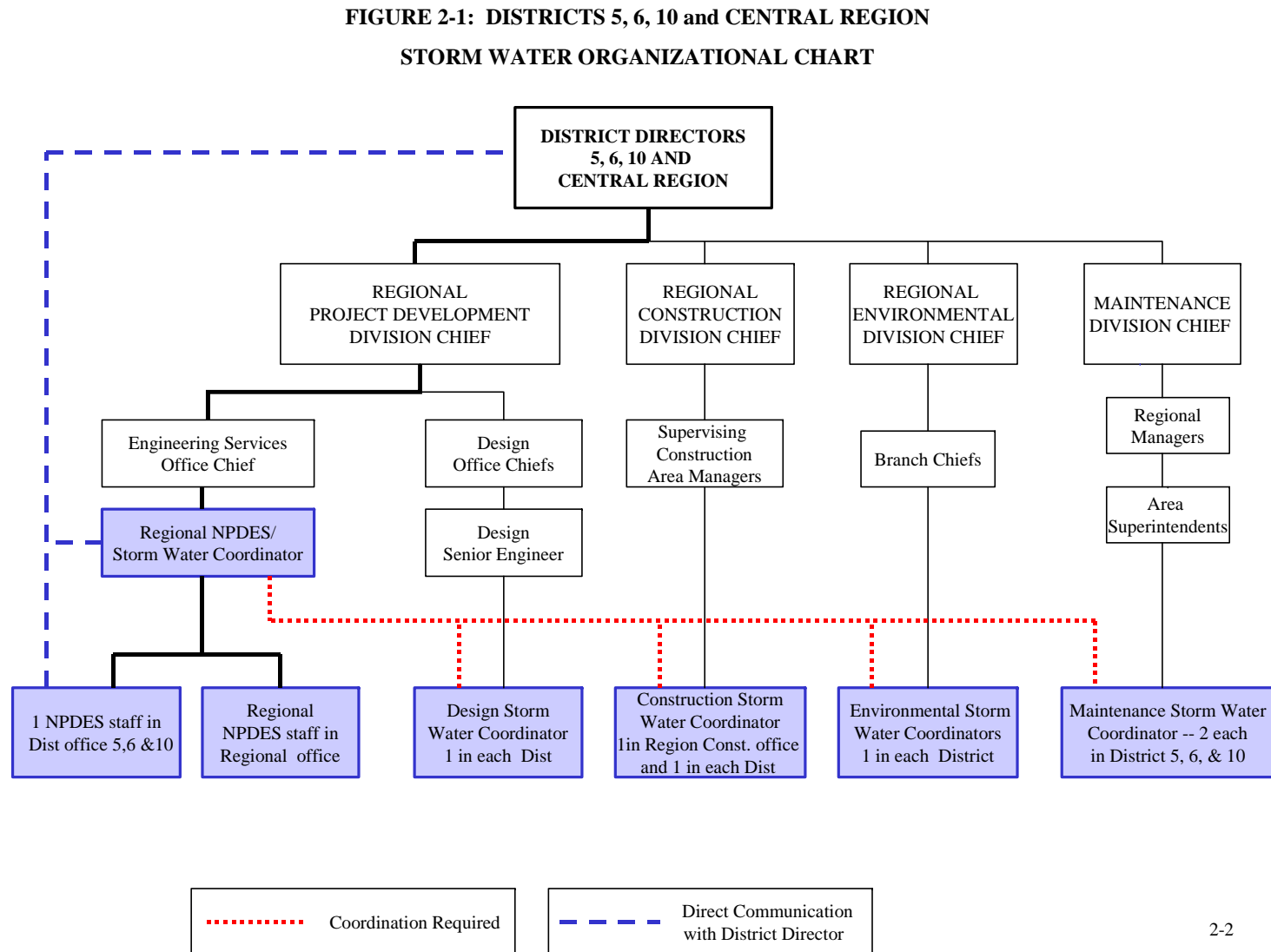
<b>Staff</b>	<b>Title</b>	<b>Phone Number</b>	<b>E-Mail Address</b>	<b>Responsibilities</b>
Marc Boswell	Senior Regional NPDES Coordinator	559-243-3565	Marc_Boswell@dot.ca.gov	Primary contact for all storm water issues. Oversees all Central Region Proj. Dev. Div. SW Control employees.
Darren Cousineau	District 6 NPDES Coordinator	559-243-8007	Darren_Cousineau@dot.ca.gov	Assists in coordination of Storm Water activities within District 6 and other Central Region districts.
Rudy Chavez	Regional Construction SW Coord.	559-444-2560	rchavez@dot.ca.gov	Coordinates Storm Water activities within the Central Region Construction Division.
Richard Waistell	District 6 Maintenance SW Coord.	559-488-4071	richard_waistell@dot.ca.gov	Field training and oversight; compliance reviews on facilities and activities.

In compliance with Permit Section M.10.b, the following positions listed in Table 2-2 are authorized to sign the documents, reports and other information submitted by the District to either the SWRCB or the RWQCBs.

**TABLE 2-2: SIGNATORY AUTHORITY FOR KEY DOCUMENTS**

<b>Positions</b>	<b>Documents Authorized for Signature</b>
District Director	All
Senior Regional NPDES Coordinator	All Central Region storm water related documents except Regional Work Plan and Annual Report Certification
Design Senior Engineer	NOC
Construction Senior or Resident Engineer	Amendments to NOC; SWPPP approval; NOCC
Maintenance Senior Environmental Planner	Maintenance activity reports
Maintenance SW Superintendent	Maintenance activity reports

FIGURE 2-1: ORGANIZATIONAL CHART



2-2

## 3.0 DISTRICT FACILITIES AND WATER BODIES

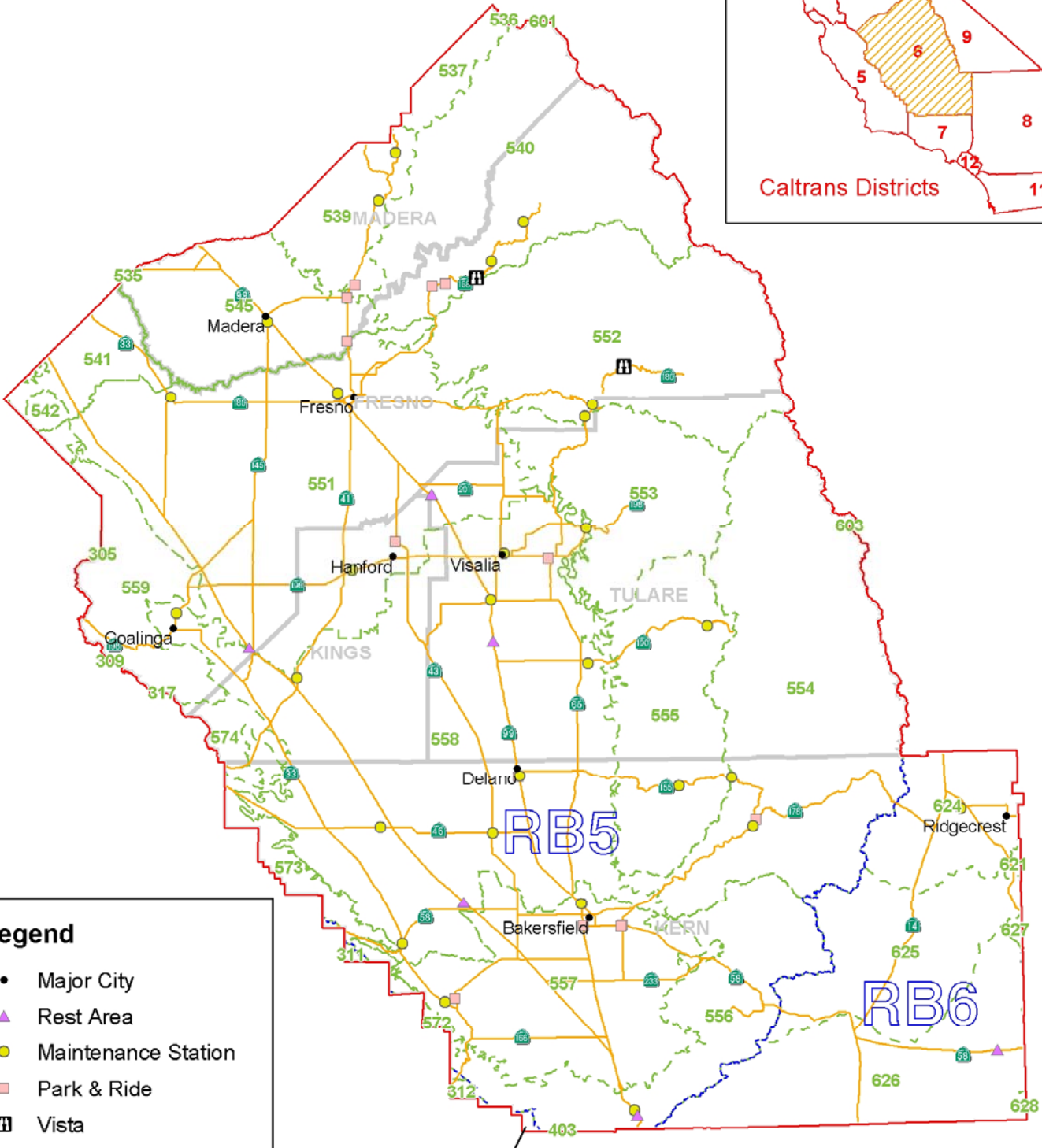
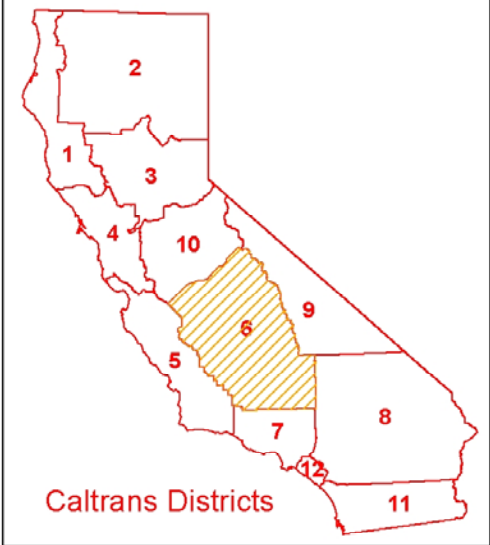
This section identifies the Department's facilities and water bodies within each District and Regional Board jurisdiction. A list of Department facilities, excluding roadways, is presented in Table 3-1. A map showing the District 6 boundaries within the Lahontan RWQCB and major roads and highways is presented in Figure 3-1.

**TABLE 3-1: DISTRICT 6 FACILITIES**

CO	Route	PM	Name	Comments
<b>Maintenance Stations</b>				
KER	58	112.3	Mojave	Highway Maintenance
KER	178	92.0	Inyokern	Highway Maintenance
<b>Vista Points</b>				
None				
<b>Commercial Vehicle Enforcement Facilities</b>				
KER	58	105.5	Cache Creek	Westbound (WB)
<b>Roadside Rest Areas</b>				
KER	58	R139	Boron	3.9 mi W of Boron; EB & WB
<b>Park and Ride Facilities</b>				
KER	178	103.8	Ridgecrest	NW corner Richmond Rd/Rt 178
<b>Sand and Salt Staging Areas</b>				
None				
<b>Snow Storage Sites</b>				
None				
<b>Toll Road and Bridge Plazas</b>				
None				

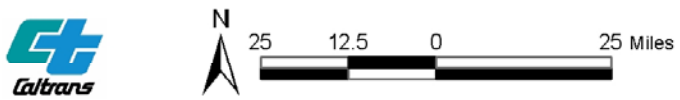
Lists and maps of the Department of Water Resource Hydrologic Units located within the coverage area are presented in Appendix A of the SWMP. Specific information on Department facilities and water bodies may also be found at the following website: <http://stormwater.water-programs.com/Research.htm>

RWQCB Index  
 RB3 Central Coast Region  
 RB5 Central Valley Region  
 RB6 Lahontan Region



**Legend**

- Major City
- ▲ Rest Area
- Maintenance Station
- Park & Ride
- Ⓜ Vista
- Department Facility
- Department Boundary
- - - RWQCB Boundary
- - - Hydrologic Unit
- County Boundary



**Figure 3-1**  
**District 6 RWQCB and H.U. Boundaries**



**4.0 HIGH RISK AREAS**

A list of high-risk areas within District 6 is presented in Table 4-1. High-risk areas are defined in Section E.2 of the Permit to include areas such as locations where spills from Department owned right-of-ways, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. Additional sites may be added to the high-risk list based on discussion between the RWQCB and the Department. The Permit requires consideration of appropriate spill containment and spill prevention control measures for these areas.

In order to generate the list of high-risk municipal and domestic water supply reservoirs and ground water percolation facilities, the Department first contacted known public and private water supply providers. From the information received, the Department determined which facilities were susceptible to a direct spill from a Department activity or facility. This determination was based on proximity between the water body and any Department facility, use characteristics of the facility(ies), and the probable spill response time.

The Department will consider and implement spill containment and prevention control measures in accordance with the processes contained in the SWMP including Section 3 for BMP identification and implementation, Section 4.4.1 for new construction projects or Section 4.4.2 for retrofit projects that are within these areas.

**TABLE 4-1: HIGH RISK AREAS**

<b>Road Segment / Facility</b>	<b>County</b>	<b>High Risk Area</b>	<b>Description</b>	<b>Comments</b>
None				There are no high-risk areas within the Lahontan area of District 6.

**5.0 IMPLEMENTATION ACTIVITIES**

This section presents specific project work planned for the year and indicates BMP implementation improvements. The anticipated schedule of construction and maintenance activities is subject to change. The Department will discuss with the RWQCBs new projects meeting the criteria listed below when ground disturbance takes place or when major maintenance activities are initiated during the year.

Table 5-1 reflects all District 6 projects (eastern Kern County) within the Lahontan Regional Board jurisdiction that meet one or more of the following criteria:

- The project involves greater than 5 acres of land disturbance, designated as “DSA”;
- The project affects a 303(d) listed water body within the project limits, designated as “303d”;
- The project requires a 401 Water Quality Certification or Waiver, designated as “401”;
- The project is a Supplemental Environmental Project (water quality project negotiated by the RWQCB and the Department) designated as “SEP”;
- The project is a storm water retrofit project (SWMP Section 4.4.2), designated as “Retro”;
- The project limits are within a “High Risk Area,” designated as “HR”; and
- The project is designated by a RWQCB as posing a potential threat to water quality, designated as “RB”.

Table 5-1 is intended to facilitate early RWQCB staff input in the project planning phase in accordance with Section L.8 of the Permit and Section 4.4 of the SWMP. The goal is to resolve water quality issues that may affect project funding, permitting, and scheduling. In addition, projects that require RWQCB review and approval of project SWPPPs/WPCPs in accordance with Sections H.8 and L.8 of the Permit are also covered in Table 5-1.

Table 5-2 presents a list of anticipated major maintenance projects that have the potential to impact water quality and provides early notification of such activities. It also includes region-specific issues and BMP actions/modifications based on program evaluations discussed in current and/or past Annual Report(s).

Table 5-3 summarizes various program management activities that are part of the storm water pollution prevention program.

# SECTION FIVE

## Regional Work Plans

**TABLE 5-1: DISTRICT 6 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE**

SWMP Category	EA #	Co.	Route	Begin/End PM	Description	Water Bodies Impacted by Project	Criteria*	Anticipated Project Development Schedule		Construction Period	
								PA&ED Date	PS&E Date	Start Date	Completion Date
D	06-24342	KER	58	109.1/117.1	Old 58 RELINQUISHMENT - PAVEMENT REHABILITATION - NEAR MOJAVE FROM 0.2 KM E OF CACHE CREEK TO 8.0 KM E OF SOUTH JCT RTE 14 "(KP 175.5/179.5, KP 181.7 TO 188.4)"	Cache Creek	DSA	Jan-02	Jul-03	Dec-03	Dec-06
B	06-39680_	KER	0	L5719	CACHE CREEK MAINTENANCE STATION - CONSTRUCT NEW MAINTENANCE STATION - NEAR ROUTE 58 IN MOJAVE AT THE MOJAVE MAINTENANCE STATION.	Cache Creek	DSA	Dec-01	Jul-04	Dec-04	Jul-07
B	06-40840_	KER	14	16.2 / 26	NORTH MOJAVE 4-LANE - CONVERT TO 4 LANE EXPRESSWAY - FROM 0.2 KM NORTH OF THE RTE 14/ BUSINESS RTE 58 JCT IN MOJAVE TO 7.6 KM N OF CALIFORNIA CITY BLVD (KP 26.1/41.8)	CACHE CREEK	401, DSA	Oct-02	Mar-04	Aug-04	Jul-07
B	06-44310_	KER	395	14.8 / 23	INYOKERN 4-LANE - 2C TO 4E - ON SR 395 FROM 0.4 KM S OF CHINA LAKE RD TO 0.3 KM S OF RTE 178 (KP 23.8/37.0)	EL PASO WASH, LITTLE DIXIE WASH	401 DSA	Jul-08	Apr-11	Oct-11	Oct-13
B	06-45710_	KER	14	45.9 / 62.3	FREEMAN GULCH WIDENING - CONSTRUCT 4 LN EXPRESSWAY W/CONTROL ACCESS - NEAR RIDGECREST FROM REDROCK INYOKERN RD TO RTE 178 (KP 73.9/100.3)	FREEMAN GULCH	401 DSA	Oct-07	Jan-10	Jul-10	Jul-12

**TABLE 5-1 LEGEND**

\* Criteria

- DSA = Disturbed Soil Area is greater than 5 acres.
- 303d = 303 (d) listed water body within project limits and affected by project
- 401 = 401 Certification/Waiver required
- SEP = Supplemental Environmental Project
- Retro = Storm Water Retrofit Project (SWMP 4.4.2)

\*\* SWMP Category is defined in SWMP Section 4.4.1, Table 4-3,

- (A) Beginning of Project Development Process prior to approval of the PSR
- (B) PSR approved but Environmental Documents are not final
- (C) Environmental Documents Final
- (D) Environmental Documents are final, design complete and project in the construction phase of project delivery
- (ND) SWMP category not defined. Treatment BMPs have been considered and implemented where appropriate for these projects

## SECTION FIVE

## *Regional Work Plans*

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- HR = Project limits within High Risk Area
- RB = RWQCB designated project as a potential threat to water quality

Note: All projects that do not require a SWPPP will require a WPCP.

**TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES**

Major Road Maintenance Activities (1)							
County	Route	PM	Description	Water Bodies Affected	Criteria (2)	Start Date	Completion Date
			None that require 401 certification				
Maintenance Facility and Activity Inspections							
The District Storm Water Coordinator and/or District Maintenance Storm Water Coordinator will select four Maintenance Stations at random for annual inspections.							
One summer activity will be reviewed / inspected: paving, chip sealing, or similar.							
Two winter activities will be reviewed / inspected: snow removal, drain cleaning, etc. Target: two activities per year – total.							
Maintenance Facility BMP Improvements							
Maintenance Station storm water compliance and maintenance activities will be reviewed with Supervisors on an on-going basis. District 06 Maintenance purchased, and will install over the next year at various maintenance stations throughout the District, 25 large metal storage buildings. These buildings will be used, in compliance with Facility Pollution Prevention Plan requirements, to prevent the release of potential storm water pollutants from products such as AC cold mix, bag mix, treated posts, etc.							
Maintenance BMP Actions/Modifications							
Maintenance will implement approved new technology, as it becomes available, and recommend the placement of permanent BMPs projects into any Maintenance Station improvement plan. Maintenance will continue to implement proactive erosion control improvements, with a special emphasis on erosion-prone areas in the mountain and foothill maintenance territories.							
Vegetation Management and Vegetated Slope Management							
The District's Vegetation Control Plan (VCP) for FY 2005/2006 is under development. The goal of the District's 05-06 VCP is to minimize the discharge of chemicals to receiving waters by reducing chemical use for vegetation control. The district VCPs are under development at this time. They include the following:							
<ul style="list-style-type: none"> <li>Type of chemical to be applied</li> <li>Applications locations, widths, total acres applied, frequency, amount totals</li> <li>Reason for application</li> </ul>							
The Department's Slope Inspection Team continues to inspect approximately 20% of the District's slopes on an annual basis in order to achieve inspection of all slopes within a five-year period. The results of the inspections will be reported in the Annual Report.							

**TABLE 5-2 LEGEND**

- (1) Significant road maintenance activities includes projects involving grade changes, additional hydraulic capacity, direct discharges to surface waters, increases in impervious surface area, or other activities identified or agreed to between RWQCB and Department staff.
- (2) Criteria:
  - DSA = Disturbed Soil Area is greater than 5 acres.
  - 303d = 303 (d) listed water body within project limits and affected by project
  - 401 = 401 Certification/Waiver required
  - SEP = Supplemental Environmental Project
  - Retro = Storm Water Retrofit Project (SWMP 4.4.2)
  - HR = Project limits within High Risk Area
  - RB = RWQCB designated project as a potential threat to water quality

**TABLE 5-3: GENERAL MANAGEMENT PRACTICES**

<b>Monitoring Activities</b>
Monitoring activities will be conducted in accordance with the statewide program described in the Storm Water Monitoring & Research Program Characterization Monitoring Plan FY 2004-2005. See Annual Report
<b>Construction Compliance Monitoring Program</b>
Construction activities are inspected through the Construction Compliance Monitoring Program. Monitoring results are provided in the Construction Compliance Review Task Force annual report.
<b>Training and Public Outreach</b>
Maintenance BMPs will be reviewed during tailgate meetings, and it will occur every 10 days or whenever activities are changed. The Statewide Storm Water Quality Practice Guidelines, and the Storm Water Quality Handbook, Maintenance Staff Guide, are utilized for this training.
Annual Refreshers will be provided for all Maintenance field personnel. Refresher curriculum is developed prior to training based on the latest information available. Informal training will continue to be provided by Headquarters, District, and Regional Storm Water Coordinators on a routine basis or as is necessary.
For FY 2005/2006 Central Region Construction anticipates training all previously untrained essential construction field staff in storm water pollution control, and proper implementation of permit requirements. All previously trained staff will continue to receive refresher training as available and necessary.
The Department will continue to identify the responsible party when off right of way violations are observed that threaten or impact Department facilities or right of way. Storm water compliance requirements will be explained to all identified violators. Cooperation and coordination with utility companies, etc., relative to their impact on Department facilities or right of way is on-going. Facilities storm drain stenciling program will continue. Storm drain stenciling in communities with populations of 10,000 or more will continue to be implemented and maintained as necessary.
Pending Headquarters approval and disbursement of funds, the Central Region will: 1) develop and distribute five distinctive storm water pollution prevention informational fact sheets to be utilized for MS4 coordination and public education activities. One fact sheet will be developed and distributed to address the unique water quality challenges presented by each RWQCB office within the Central Region; and 2) develop content for, and purchase a portable storyboard to be used for presentations and static displays for permit-related public education efforts. Note: the State's continuing budget difficulties have hindered the Department's ability to implement these objectives.

Municipal Coordination
District 6 participates in cooperative meetings with municipalities located within the District. Coordination efforts are focused on sharing of information, public education, storm drain stenciling coordination, and training. The District 6 storm water coordinator also participates in the California Stormwater Quality Association and the Fresno Metropolitan Flood Control District Public Involvement and Education Committee.
Municipal counterparts are notified of spills on Department property that might affect them. Representatives of municipalities and other local agencies are encouraged to attend and participate in Department Maintenance training meetings. Contacts are promoted to allow Department participation in other agency training. Maintenance Supervisors are encouraged to establish networks with local agencies. The Permits Department is included in Maintenance training, and a mentoring effort is made with Permits engineers, inspectors, and their permittees.
See Training and Public Outreach above for additional planned municipal coordination activities.